

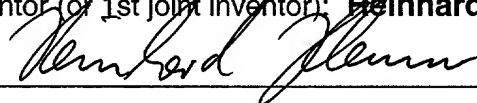
I hereby appoint the following attorney(s) with full power of substitution and revocation, to prosecute said application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith:

Brian K. Dinicola	(Reg. No. 36,122)
Paul Gardon	(Reg. No. 48,761)
Robert E. Rudnick	(Reg. No. 36,260)
David Volejnicek	(Reg. No. 29,355)

I hereby appoint the attorney(s) on ATTACHMENT A as associate attorney(s) in the aforementioned application, with full power solely to prosecute said application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected with the prosecution of said application. No other powers are granted to such associate attorney(s) and such associate attorney(s) are specifically denied any power of substitution or revocation.

Full name of sole inventor (or 1st joint inventor): **Reinhard P. Klemm**

Inventor's signature



Date

02/28/2002

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Figure 1

Diagram illustrating the structure of the *hsp70* gene promoter region. The diagram shows the DNA sequence from -100 to +100 bp relative to the transcription start site (+1). Key regulatory elements are indicated by arrows pointing to specific sequences:

- 98 to -86: TATA box (TATAATG)
- 86 to -72: GC box (GGGCGG)
- 72 to -60: CAAT box (CAATTT)
- 60 to -48: Sp1 binding site (GGGCGG)
- 48 to -36: CREB binding site (TGACGTGA)
- 36 to -24: NF- κ B binding site (GGGCGG)
- 24 to -12: AP-1 binding site (TGAGTA)
- +1 to +100: Coding region (ATG...)

The diagram also indicates the positions of various transcription factors and their binding sites:

- TBP (TATA-binding protein) binds to the TATA box.
- GC-box factor binds to the GC box.
- Sp1 binds to the Sp1 binding site.
- CREB (cAMP response element-binding protein) binds to the CREB binding site.
- NF- κ B (nuclear factor-kappa B) binds to the NF- κ B binding site.
- AP-1 (activator protein-1) binds to the AP-1 binding site.

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